RRRRRI RRR RRR RRR RRR RRR RRRRI RRRRRI RRRRRI RRRR RR RRR RRR RR RRR RRR RRR RRR RRR RRR RR RRR R	RRRRRRR RRRRRRR RRRRRR RRR RRR RRR RRR	000 000 000 000 000 000 000 000 000 00	UUU UUU UUU UUU UUU UUU UUU UUU UUU UU	NNN NNN NNN NNN NNN NNN NNN NNN NNN NN	N NNN NNN NNN NNN NNN NNN NNN NNNNN NNNNNN	000000 000000 000 000 000 000 000 000	0000 0000 0000 0000 0000 0000 0000 0000 0000	######################################	######################################	
RRR	RRR	UUUUUUUUU	UUUUUU	NNN	NNN NNN	00000	0000	FFF	FFF	
RRR RRR	RRR			NNN	NNN	00000		FFF	FFF	

_\$2

....

GGGGGGGG GG GG GG GG GG GG GG GG GG GG	BBBBBBBB BBBBBBBB BB BB BB BB BB BB BBBBBB	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
	\$		

GLB VO4

GLB VO4

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200

GLBDAT V04-000	Define global literal Revision History	s and data structures	16-Sep-1984 00:41:32 14-Sep-1984 13:06:35	VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]GLBDAT.BLI;1	Page 2
40 41	0039 1 %SBTTL 'Revis	ion History'			
42 43 44 45 46	0041 1 041 0042 1 041 0043 1 0044 1 0045 1	Moved XPD_APPEND back conditionalized it	arshall 1-June-1984 into the SAVE/RESTORE ar and XPD_FLAGS for DSRPLUS he comments in that area.	only. Also	
48 49 50 51	0047 1 040 0048 1 0049 1 0050 1	KFA00040 Ken A For DSRPLUS: Added a semic just preceeds	olon to the end of the co	ommand that	
4567890123456789012345668667777777778888888888999999999999999	0046 1 0047 1 040 0048 1 0050 1 0051 1 0052 1 0053 1 0055 1 0055 1 0055 1 0056 1 0057 1 0058 1 0066 1 0067 1 0068 1 0067 1 0071 1 0071 1 0071 1 0071 1 0071 1 0071 1 0071 1 0075 1 0076 1 0076 1 0077	Added one literal, on	arshall 16-feb -> 15-M e global variable, and two ng filetype lists used in ed on the input filetype. the user defaults the inp	o global bind	
59 60 61 62 63	0058 1 1 0059 1 1 0060 1 1 0061 1 1	in the list of inpu	CT and indicates how many t filetypes in IPFTOP. I ist of output filetypes i and will contain the indelists.	here are also as	
65	0064 1 1 0065 1	Also added LFFCTX whi VMS RTL routine LIB	ch is a global context ce \$FIND_FILE.	ell used by the	
68 69 70	0067 1 038 0068 1 0069 1	Modified the external	arshall 17-November-19 definition of ATABLE to TION defined in ATCODE.RE	use the new	
72 73 74 75	0070 1 037 0072 1 0073 1 0074 1	Doubled the size of A	arshall 7-November-198 TABLE (added another 128 al character set. Also,	cells) to support	
77 78	0075 0076 0077 1	KFA00036 Ken A Moved items around fo			
80 81	0078 1 0079 1 035 0080 1	REM00035 Ray M Conditionalized TEMP_	arshall 22-Jul-1983 SIZE_MRA for DSRPLUS only		
83 84 85 86 87	0081 1 034 0082 1 034 0083 1 0084 1 0085 1	REM00034 Ray M Changed TEMP_MRA_SIZE unique within the f Added KWTCBR for futu support.	arshall 22-Jul-1983 to TEMP SIZE MRA so that irst 6 characters for the re addition of cross-book	it will be TOPS-20 linker. cross-reference	
89 90 91	0087 1 033 0089 1 0090 1	For DSRPLUS:	andall 9-Jun-1983 e when GETNUM is processi	ng an entity.	
92 93 94 95	0091 1 032 0092 1 032 0093 1 0094 1 0095 1	REROOO32 Ron R	andall 11-May-1983 temporary and hold mra a		New York

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GLBDAT V04-000	Define global Revision Hist	literals	and data structures 16-Sep-1984 00:41:32 VAX-11 Bliss-32 V4.0-74 14-Sep-1984 13:06:35 [RUNOFF.SRC]GLBDAT.BLI;	2
97 98	0096 1 ! 0097 1 ! 0098 1 !	031	KAD00031 Keith Dawson 9-May-1983 Remove support for .DX, .PX.	
100	0099 0100 0101 1	030	KFA00030 Ken Alden 14-Apr-1983 Alter headerlevel, pagesize to hyphenated strings.	
103	0102 1 0103 1	029	KAD00029 Keith Dawson 13-Apr-1983 Added omitted DSRPLUS conditional on \$keyword_tables.	
97 98 99 100 101 102 103 104 105 106 107 108	0105 1 1 0106 1 1 0107 1 1	028	RER00028 Ron Randall 06-Apr-1983 For DSRPLUS: Added secondary topnote IOBs and footnote numbering variables.	
: 111	0108 1 1 0109 1 0110 1	027	REM00027 Ray Marshall 06-Apr-1983 Fix misspelled literal in a keyword table definition.	
112 113 114 115 116	0112 1 0113 1 0114 1	026	REM00023 Ray Marshall Mar-1983 Added KWTRPN, KWTUDM, KWTPDM, & KWTPDP keyword table listheads. Also built the predefined keyword table entries.	
: 118	0116 1 0117 1 0118 1	025	RER00025 Ron Randall 20-Mar-1983 Fine tuning of topnote globals. Deleted passthrough flag.	
119 120 121 122 123 124 125 126 127 128 129	0120 1 0121 1 0122 1	024	KAD00024 Keith Dawson 20-Mar-1983 Removed LN01 conditionals and all references to .BIX and .BIC files.	
125	0123 1 0124 1 0125 1	023	RER00023 Ron Randall 19-Mar-1983 For DSRPLUS: Added definitions related to topnotes.	
128 129 130	0127 1 0128 1 0129 1	022	KFA00022 Ken Alden 18-Mar-1983 Changes made were to make SAVE/RESTORE related globals visible to DSR.	
: 131 : 132 : 133 : 134 : 135 : 136	0131 1 1 0132 1 1 0133 1 1 0134 1 1 0135 1	021	KAD00021 Keith Dawson 07-Mar-1983 Global edit of all modules. Updated module names, idents, copyright dates. Changed require files to BLISS library.	

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```
H 6
16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
GLBDAT
VO4-000
                       Define global literals and data structures
Require files and libraries
                                                                                                                                  VAX-11 Bliss-32 V4.0-742 
ERUNOFF.SRCJGLBDAT.BLI;1
                                                                                                                                                                                        Page
                                    %SBTTL 'Require files and libraries'
    INCLUDE FILES:
                                   LIBRARY 'NXPORT: XPORT';
REQUIRE 'REQ: RNODEF';
                                                                                               ! XPORT Library
! RUNOFF variant definitions
                                   XIF DSRPLUS XTHEN
LIBRARY 'REQ:DPLLIB';
XELSE
                                                                                              ! DSRPLUS BLISS Library
                                   LIBRARY 'REQ:DSRLIB';
                                                                                               ! DSR BLISS Library
                                      EQUATED SYMBOLS:
                                   GLOBAL LITERAL rintes = %0'34' : UNSIGNED (8), ! Runoff internal excape character.
                                            The global literal s_fmra is used in the module FNONLY. In that module, it is nesessary to reset the MRA size explicitly. The global literal assures that the size will be reset to the allocated
                                            value.
                                         s_fmra = 500.
                                            tnmra_size is similarly used in the module TPNOTE.
                       0294
0295
0296
0297
0298
0300
0301
0302
0303
                                          tnmra_size = 500,
                    200
                                   XIF DSRPLUS XTHEN
                                            temp_size_mra is similarly used in any module.
                    Ŭ
                                         temp_size_mra = 100,
                                                                                                 Number of input file types known. If IPFTOP & OPFTOP are changed,
                                         ipftct = %IF dsrplus %THEN 14; %ELSE 12;
                                                                                               ! this literal may also need changing.
                                                       %FI
                                      OWN STORAGE:
                                                                                               ! Used in PUSH_SCA, POP_SCA macros
                                                           : $h_r_sca_block;
                                         pp_sca
```

GLN

```
I 6
16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
GLBDAT
V04-000
                    Define global literals and data structures Global storage
                                                                                                                VAX-11 Bliss-32 V4.0-742
ERUNOFF.SRCJGLBDAT.BLI;1
                                                                                                                                                              Page
                              "SBTTL 'Global storage'
   0312
0313
0314
0315
0316
0317
0318
                                 GLOBAL STORAGE:
                              GLOBAL
                                   r_cmd
                                                   : $rno_cmd;
                                                                                 ! Command-line information.
                              GLOBAL
                                   LSTST : COUNTED_LIST,
tsfa : VECTOR [tsf_size],
fs_allocate (mraa, 500),
fs_allocate (fra, 500),
fs_allocate (ira, 10),
                                   fs_allocate (xmra, 100),
                                                                                   Used for <INDEX flag> processing.
                                   mra.
                                                                                  ! Refers to MRAa or MRAb.
                                      Descriptors for title and subtitle.
                                                  : VECTOR [tsf_size], : VECTOR [tsf_size],
                                                                                 ! Titles
! Subtitles
                                   tittsf
                                   sbttsf
                                     Storage for titles and subtitles
                                   fs_allocate (titmra, max_title),
fs_allocate (sbtmra, max_title),
                                                                                 ! Titles
! Subtitles
                                                   : VECTOR [tsf_size],
                                   xtsf
                                                                                   Used for <INDEX flag> processing.
                                   khar,
                                                                                 ! Character storage
                                ANY changes in this area should be reflected in SAVE.REQ as well.
                                                  : flag_table [flag_count], : COUNTED_LIST [max_tabs], ! Tab settings
                                   flgt
                                     The following definition macro is defined in ATCODE.REQ to be [256, BYTE].
                                                                                   Action table. Used to identify what type of action is to be taken
                                   atable
                                                  : atable_definition,
                                                                                   on encountering any given character.
                                   putstf
                                                   : VECTOR [pdt_size],
                                                                                   This is the area where single
                                   save
                                                   : $save_block,
                                                                                 ! items are stored.
                                This marks the end of the SAVE block.
                                Below is the additional area for SAVE ALL.
                                   saveall
                                                   : $saveall_block,
                                                                                   This area holds more items saved
                    0360
0361
0362
0363
                                                                                           only during a .SAVE ALL
                                                    VECTOR [6], COUNTED_LIST [max_levels]
$ecc_blockvector, ! E
                                   dattim
                                                                                    Day and time pieces.
                                                                                 ! Entity counter / caption area.
                              XIF DSRPLUS XTHEN
                 200
                                     These DSRPLUS structures are updated by setting the default XPLUS attributes, .ENABLE XPLUS (attr,...).
```

```
GLBDAT
VO4-000
                          Define global literals and data structures Global storage
                                                                                                                                           VAX-11 Bliss-32 V4.0-742 
ERUNOFF.SRCJGLBDAT.BLI;1
                                                                                                                                                                                                    Page
                      xpd_flags,
fs_allocate (xpd_append, xp_string_size), ! Default attributes flags.
fs_allocate (xpd_append, xp_string_size), ! Default APPEND = string.
                                      savstk
                                                               : savstack.
                                                                                                     ! Storage for the save/restore list.
                                      XIF DSRPLUS XTHEN
                                                Topnote related globals.
                                                               : tn_definition,

: tnrec_definition,

: REF $XPO_IOB (),

: REF $XPO_IOB (),

: $XPO_IOB (),

: $XPO_IOB (),

: VECTOR [pdt_size],

: VECTOR [sca_size],

: VECTOR [tsf_size],
                                             topnot
                                                                                                        Topnote control table.
Topnote file record control area.
                                             threc
                                             tniiob
                                                                                                         Internal topnote 10B.
                                             tnuiob
                                                                                                        User topnote IOB.
                                             tn0iob
                                             tn1iob
                                             tnpdt
                                                                                                        Save area for paragraph stuff. Save area for SCA.
                                             tnsca
                                             tntsf
                                                                                                        Substitute TSF.
                                             tnhdd,
                                             tnhlch.
                                             tnhlsc,
                                             tnhlsk,
                                             tnhlst.
                                             tnhmra,
                                             tnhpdt,
                                             tnhrch.
                                             tnhtsf,
                                            fs_allocate (tnmra, tnmra_size),
tn_ldd : VECTOR [3],
tn_lchr : VECTOR [3],
tn_list : COUNTED_LIST [3],
tn_llchr : VECTOR [3],
tn_lrchr : VECTOR [3],
tn_lskp : VECTOR [3],
                                                                                                        Susbtitute display descriptor.
Substitute .LIST bullet char.
Substitute .LIST counters
Substitute left character
                                                                                                        Substitute right character
                                                                                                        Substitute .LIST el spacing.
                                               footnote numbering variables.
                                             l_character,
                                             r_character.
                                               The following structures are updated each time the
                                               ATTRIB routine is called.
                                            xp_flags,
fs_allocate (xp_append, xp_string_size), ! Working APPEND = string
fs_allocate (xp_sort, xp_string_size), ! Working SORT = string
                                               General-purpose mra and tsf substitution aids.
                                                                                                        Holds MRA address.
! Substitute MRA.
Holds TSF address.
                                             hold_mra,
                                            fs_allocate (temp_mra, temp_size_mra), hold_tsf,
                                            temp_tsf
                                                               : VECTOR [tsf_size],
                                                                                                     ! Substitute TSF.
```

```
K 6
16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
GLBDAT
VO4-000
                                                                          Define global literals and data structures Global storage
                                                                                                                                                                                                                                                                                                                                                                                                                       VAX-11 Bliss-32 V4.0-742 
ERUNOFF.SRCJGLBDAT.BLI;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Page
                                                               89012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234
                                                                                                                                           Flag to indicate when GETNUM is processing a $ or $$ entity.
                                                                                                                                  processing_entity,
entity_in_footnote,
                                                                                                                                                                                                                                                                                                         ! Used by NEWSUB. ! Used by FCIMRA.
                                                                                                                                                                                                                                                                                                          ! Refers to TSFa or TSFb.
.! Sizes of pending footnotes.
! Number of TSF/MRA pairs in
! each pending footnote.
! Footnote control table.
! Global control area.
                                                                                                                                                                                         : REF VECTOR [tsf_size], !
: fn_ext_size_definition,
: fn_int_size_definition,
                                                                                                                                   tsf
                                                                                                                                   fnesiz
                                                                                                                                   fnisiz
                                                                                                                                                                                        : fnct_definition,
: gca_definition,
: hct_definition,
: ifstack,
                                                                                                                                   fnct
                                                                                                                                   gca
                                                                                                                                                                                                                                                                                                              Header control area.
Stack for .IFs, and so on.
                                                                                                                                   hct
                                                                                                                                   ifstk
                                                                                                                                    fohlch.
                                                                                                                                    fohrch,
                                                                                                                                    fohdd.
                                                                                                                                    fohlsc,
                                                                                                                                    fohlsk,
                                                                                                                                    fohlst,
                                                                                                                                    fohpdt,
                                                                                                                                    fohmra,
                                                                                                                                    fohtsf.
                                                                                                                                   foorec : foorec_definition, fs_allocate (foomra, s_fmra),
                                                                                                                                                                          An RSX IOB gets 80 (120 octal) words allocated to it.
                                                                                                                                                                                       REF $XPO_IOB (),
REF $XPO_IOB (),
$XPO_IOB (),
$XPO_IOB (),
VECTOR [pdt_size],
VECTOR [sca_size],
COUNTED_LIST [3],
VECTOR [3],
VECTOR [3],
VECTOR [3],
VECTOR [3],
VECTOR [3],
                                                                                                                                    fooiob
                                                                                                                                                                                                                                                                                                         ! Used for processing footnotes.
                                                                                                                                   fotiob
                                                                                                                                   fo1 iob
                                                                                                                                                                                                                                                                                                                 Never referred to directly
Never referred to directly
                                                                                                                                   fo2iob
                                                                                                                                                                                                                                                                                                               Never referred to directly
Save area for paragraph stuff.
Save area for SCA
Substitute .LIST counters
Substitute .LIST bullet char.
Substitute .LIST EL spacing.
Substitute left character
Substitute right character
Substitute display descriptor.
Substitute TSF.
                                                                                                                                   foopdt
                                                                                                                                    foosca
                                                                                                                                                                                  COUNTED_LIST [3], Substitute .LIST bullet char.

VECTOR [3], Substitute .LIST EL spacing.

VECTOR [3], Substitute left character

VECTOR [3], Substitute right character

VECTOR [3], Substitute display descriptor.

VECTOR [3], Substitute TSF.

VECTOR [4], Substitute TSF.

VECTOR [5], Substitute LIST bullet char.

Substitute LIST EL spacing.

Substitute LIST EL spacing.

Substitute LIST EL spacing.

Substitute TSF.

Substitute LIST EL spacing.

Substitute LIST EL spacing.
                                                                                                                                  f_list
f_lchr
f_lskp
f_llchr
f_lrchr
f_ldd
footsf
                                                                                                                                   irac
                                                                                                                                  npagen
                                                                                                                                   spager
                                                                                                                                   tpager
                                                                                                                                   pagen
                                                                                                                                   brnoob
                                                                                                                                   brniob
                                                                                                                                           ndxpol
                                                                                                                                           ndxsge
                                                                                                                                           ndxsgf
                                                                                                                                            xtncnt,
                                                                                                                                                                                        : INITIAL (0).
: INITIAL (0).
: INITIAL (0).
: INITIAL (0).
                                                                                                                                            xtnlsp
                                                                                                                                            xtnlsx
                                                                                                                                            xtnpol
                                                                                                                                            xtnsqp
```

```
6
GLBDAT
V04-000
                                                                                                                                 16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
                                Define global literals and data structures Global storage
                                                                                                                                                                                VAX-11 Bliss-32 V4.0-742 
ERUNOFF.SRCJGLBDAT.BLI;1
                                                                                                                                                                                                                                                        Page
                                                                                : REF xtntab_define,
: REF xpagen_define,
: sca_definition,
: VECTOR [sca_case_size]
     11
                               xtntab
                                                                                                                                   List of transaction numbers assigned
                                                                                                                                    Page number associated with transaction number.
                                                            xpagen
                                                                                                                                    Scanner control area. ! Save case rules her
                                                        sca
                                                                                                                                    ! Save case rules here during literal processing. Work area. General purpose character string
                                                        scalit
                                                        numprm : numprm_define, fs_allocate (fs01, 150),
                                                                                                                                    work area.
                                                                                                                                   Output options.
Depth of FRMSTK (O means empty).
                                                                                : outopt_define,
                                                        outopt
                                                                              : form_stack,
: hlc_definition,
: VECTOR [max_levels],
: REF VECTOR,
: REF COUNTED_LIST,
: REF VECTOR [nm[st_maxsize],
: VECTOR [nmlst_maxsize],
: VECTOR [nmlst_maxsize],
: VECTOR [nmlst_maxsize],
: VECTOR [nmlst_maxsize],
: REF pdt_definition,
: phan_definition,
: VECTOR [nmlst_maxsize],
: REF pdt_definition,
: VECTOR [nmlst_maxsize],
: BLOCKVECTOR [max_require
                                                         frmstd,
                                                         frmstk
                                                        hlc
                                                        hldsp
                                                         lstchr
                                                         lstlch
                                                         lstrch
                                                         lstldd
                                                         lstcnt
                                                         lstskp
                                                        lchlst
                                                        rchlst
                                                        lddlst
                                                        chlst
                                                        nmlst
                                                        pdt
                                                        phan
                                                        skplst
                                                         iobstk
                                                                                : BLOCKVECTOR [max_require, iob$k_length],
                                                           Active input file IOBs saved in IOBSTK.
                                                                               : REF $XPO_IOB (),
: REF $XPO_IOB (),
: REF $XPO_IOB (),
: REF $XPO_IOB (),
                                                        rneiob
                                                                                                             000:
                                                                                                                                    Storage for primary input IOB.
                                                                                                                                   Storage for primary input IUB.
Storage for output IOB.
Input IOB currently active.
Output file IOB
(i.e., for generated document).
Standard error file (usually TTY:).
Standard input file (usually TTY:).
Standard output file (usually TTY:).
Standard input file; but STREAM,
not RECORD.
                                                        rnaiob
                                                        rniiob
                                                        rnoiob
                                                                               : $XPO_IOB ().
: $XPO_IOB ().
: $XPO_IOB ().
: $XPO_IOB ().
                                                        tteiob
                                                        ttoiob
                                                        tsiiob
                                                                                                                                   not RECORD.
                                                            Declare a string descriptor that will point to the "resultant" file
                                                           name string when any file operation fails.
                                                                                : $STR_DESCRIPTOR (CLASS = DYNAMIC),
                                                          fname
                                                            Declare a field to contain a secondary error code. This field will be
                                                           stuffed with a code explaining why the requested operation against the file specified in FFNAME failed. This error code will be defined by the the I/O system being used (i.e. XPORT or RMS).
                                                        semcod,
                                                                                                                                   Number of variables.
                                                        vrcnt,
                                                                               : vrhame_def,
: vrlng_def,
: vrbool_def,
                                                                                                                                    The variable names.
                                                        vrname
                                                                                                                                   The length of the names. TRUE/FALSE value.
                                                        vrlng
                                0538
                                                        vrbool
```

```
6
GLBDAT
VO4-000
                        Define global literals and data structures
                                                                                                16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
                                                                                                                                     VAX-11 Bliss-32 V4.0-742

[RUNOFF.SRC]GLBDAT.BLI;1
                                                                                                                                                                                           Page
                                                                                                                                                                                                   (4)
                        Global storage
                                                                                                  FALSE flag.
TRUE flag.
Source of variable definition.
                                                            : vrfflg_def,
: vrtflg_def,
: vrsrc_def,
                                          vrfflg
    0540
05412
0543
05445
05445
05447
0549
                                          vrtflg
                                          Vrsrc
                                    XIF XBLISS (BLISS32) XTHEN
                                          lffctx,
                                                                         ! Global context cell used by LIB$FIND_FILE
                                    %FI
                                                                        ! Will contain the index into the following table which ! identifies what the input file's extension field is.
                                          ipftyp;
                                      The following two lists of file types determine which output file type results from an input file type. The two lists must remain in order since translation is done by searching down one list and using the computed index to fetch the result from the other list. They are used in RUNOFF.BLI for the VMS implementation and CLH.BLI for the TOPS-20 implementation.
                        05553
05554
05556
05556
05557
05558
                                                IPFTCT (above) must indicate the length of each table.
                                    GLOBAL BIND
                                          ipftop = PLIT (
                                                                        ! InPut File Type OPtions
                        0560
                                                              CH$PTR(UPLIT('.RNO')), !Produces .MEM
                    U 0561
U 0562
0563
                                    XIF DSRPLUS XTHEN
                                                              CH$PTR(UPLIT('.RTB')), !Produces .MET
                                    %FI
                        0564
0565
                                                              CH$PTR(UPLIT('.RNT')),
CH$PTR(UPLIT('.RNX')),
                                                                                                 !Produces .MEC
                                                                                                 Produces .MEX
                        0566
0567
                                                                                   .RND')),
                                                              CHSPTR (UPLIT (*
                                                                                                  Produces .DOC
                                                                                   .RNH')),
                                                              CHSPTR (UPLIT (
                                                                                                  Produces
                                                                                   .RNB')),
                                                              CHSPTR (UPLIT (
                                                                                                  Produces
                                                                                   .RNC')),
                                                                                                  Produces
                                                              CHSPTR (UPLIT (
                                                                                   .RNE')),
                                                                                                  Produces
                                                              CHSPTR (UPLIT (
                        0571
0572
0573
                                                                                   .RNL')),
                                                              CHSPTR (UPLIT('
                                                                                                  Produces
                                                                                  .RNM')),
                                                              CH$PTR(UPLIT('.RNM')),
CH$PTR(UPLIT('.RNP')),
                                                                                                  Produces
                                                                                                 Produces .OPR
                                                              CHSPTR(UPLIT('.RNS'))
                                                                                                 !Produces .STD
                    U 0575
U 0576
0577
0578
0579
0580
0581
                                    XIF DSRPLUS XTHEN
                                                              CH$PTR(UPLIT('.***'))
                                                                                                !Wild card file extension
                                    %FI
                                                                                                ): VECTOR,
                                          opftop = PLIT (
                                                                        ! OutPut File Type OPtions
                    U 0583
U 0583
U 0584
0585
0586
0587
0588
0589
                                                               CH$PTR(UPLIT('.MEM')), !from .RNO
                                    XIF DSRPLUS XTHEN
                                                               CH$PTR(UPLIT('.MET')), !from .RTB
                                    XF I
                                                               CH$PTR(UPLIT('.MEC')),
                                                                                                  !From
                                                                                     .MEX')),
                                                                                                           .RNX
                                                               CHSPTR (UPLIT (
                                                                                                   from
                                                                CHSPTR (UPLIT
                                                                                     .DOC')
                                                                                                           . RND
                                                                                                   From
                                                                CH$PTR(UPLIT
                                                                                     HLP
                                                                                                           . RNH
                                                                                                   From
                                                                CHSPTR (UPLIT
                                                                                     BLB
                                                                                                           . RNB
                                                                                                   From
                                                                CH$PTR(UPLIT
                                                                                      CCO
                                                                                                           .RNC
                                                                                                   From
                                                                                     .ERR
                                                                CHSPTR (UPLIT
                                                                                                           .RNE
                                                                                                   From
                                                                CHSPTR (UPLIT (
                                                                                                           .PNL
                                                                                                   From
                                                                CHSPTR (UPLIT (
                                                                                                           . RNM
                                                                                                   From
                                                                CHSPTR(UPLIT('.OPR')),
                                                                                                  !From
```

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N 6
16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
GLBDAT
V04-000
                 Define global literals and data structures Global storage
                                                                                                VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]GLBDAT.BLI;1
                                                                                                                                        Page 10 (4)
                 0596
0597
0598
0599
                                              CH$PTR(UPLIT('.STD')) !From .RNS
   %IF DSRPLUS %THEN,
                                              CH$PTR(UPLIT('.MEM'))
                                                                       !From .***
                          %FI
               ): VECTOR:
                          XIF DSRPLUS XTHEN
                                   Various keyword table listheads.
                          GLOBAL
                              kwtrpn,
kwtcbr,
                                                      .ReferencePoint Names
Cross-Book crossReference structures
                                                      User Defined Macros (counter variable names)
                               kwtudm;
                              XF I
                          GLOBAL BIND
                                                                      ! Flag table search order.
                              fltso = PLIT (
                          XIF DSRPLUS XTHEN
                                            NPX_FLAG,
                                                                      ! <Nopermute Index flag>
                          XF I
                                           SUB_FLAG,
QUO_FLAG,
UPP_FLAG,
LOW_FLAG,
                                                                      ! <SUBSTITUTE flag>
! <QUOTE flag>
! <UPPERCASE flag>
! <LOWERCASE flag>
```

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B 7
16-Sep-1984 00:41:32
14-Sep-1984 13:06:35
GLBDAT
V04-000
                                                                           Define global literals and data structures Global storage
                                                                                                                                                                                                                                                                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 
ERUNOFF.SRCJGLBDAT.BLI:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page
                                                                                                                                                                                                                                                                                                                       <CAPITALIZE flag>
<UNDERLINE flag>
<BOLD flag>
<SPACE flag>
<INDEX flag>
<HYPHENATION flag>
<BREAK flag>
<PERIOD flag>
<OVERSTRIKE flag>
                                                                                                                                                                                             CAP_FLAG,
UND_FLAG,
BLD_FLAG,
SPA_FLAG,
IND_FLAG,
HYP_FLAG,
BRK_FLAG,
PER_FLAG,
OVR_FLAG)
: VECTOR;
             END
                                                                                                                                                                                                                                                                                                                ! End of module.
                                                                                                                                                                                                                                                                                                                                                                                                     GLBDAT Define global literals and data structur
                                                                                                                                                                                                                                                                                                                                                                .TITLE
                                                                                                                                                                                                                                                                                                                                                                                                   1404-0001
                                                                                                                                                                                                                                                                                                                                                                 . IDENT
                                                                                                                                                                                                                                                                                                                                                                 .PSECT
                                                                                                                                                                                                                                                                                                                                                                                                     SPLITS, NOWRT, NOEXE, 2
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                                                                                                                                                                                                                                                                                                                       P.AAB:
P.AAC:
P.AAE:
P.AAF:
P.AAG:
P.AAH:
P.AAI:
P.AAL:
P.AAL:
P.AAM:
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.LONG 12
.ADDRESS P.AAB, P.AAC, P.AAD, P.AAE, P.AAF, -
P.AAG, P.AAH, P.AAI, P.AAJ, P.AAK, P.AAL,
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P.AAP:
P.AAQ:
P.AAS:
P.AAT:
P.AAU:
P.AAV:
P.AAW:
P.AAX:
P.AAX:
P.AAZ:
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                                                                                                                                                                                                                                                                                                                                                                                                      \.MEX\
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                                                                                                                                                                                                                                                                                                                                                                                                       \.BLB\
                                                                                                                                                                                                                                                                                                                                                                                                      1.CCO
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                                                                                                                                                                                                                                                                                                                                                                                                      1.STD\
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                                                                                                                                                                                                                                                                                                                                                                ADDRESS P.AAO, P.AAP, P.AAQ, P.AAR, P.AAS, -
P.AAT, P.AAU, P.AAV, P.AAW, P.AAX, P.AAY, -
                                               000000000
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0000000B
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Page 12 (4)
                                                                                                                                     .PSECT SOWNS, NOEXE, 2
                                                                                                  00000 PP_SCA: .BLKB
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                                                                                                                                     .PSECT
                                                                                                                                                        $GLOBAL$, NOEXE, 2
                                                                                                 00000 R_CMD:: .BLKB
00064 LSTSTF::.BLKB
000A8 TSFA:: .BLKB
00148 MRAA:: .LONG
00158 .BLKB
0034C FRA:: .LONG
0035C .BLKB
00550 IRA:: .LONG
00560 .BLKB
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                        A000000A
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0056C XMRA:: LONG

0057C .BLKB

005E0 MRA:: .BLKB

005E4 TITTSF::.BLKB

00684 SBTTSF::.BLKB

00724 TITMRA::.LONG

00734 .BLKB

008F6 .BLKB

008F8 SBTMRA::.LONG

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00B6C KHAR::
00B70 FLGT::
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OOCA8 ATABLE::.BLKB
OODA8 PDTSTF::.BLKB
OODB4 SAVE::.BLKB
OOEO4 SAVEALL::
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00E48 HLLIST::.BLKB
00E68 ECC::.BLKB
01018 SAVSTK::.BLKB
01384 TSF::.BLKB
01388 FNESIZ::.BLKB
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425
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013DC FNISIZ:::BLKB
01430 FNCT:: BLKB
01460 GCA:: BLKB
01560 HCT:: BLKB
01590 IFSTK:::BLKB
016F4 FOHLCH::BLKB
016F6 FOHRCH::BLKB
016FC FOHDD:::BLKB
01700 FOHLSC::BLKB
01704 FOHLSK::BLKB
01704 FOHLSK::BLKB
01705 FOHPDT:::BLKB
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GLBDAT VO4-000	Define global Global storage	literals	and data s	tructures	D 7 16-Sep-1984 00:41:32 14-Sep-1984 13:06:35	VAX-11 Bliss-32 V4.0-742 ERUNOFF.SRCJGLBDAT.BLI;1	Page 13 (4)
	0000000	000001F4	0000000	0000000	0173C 01930 F0010B::BLKB 4 01934 F0T10B::BLKB 4 01938 F0110B::BLKB 244 01A2C F0210B::BLKB 244 01B20 F00PDT::BLKB 12 01B2C F00SCA::BLKB 384 01CAC F_LIST::BLKB 20 01CCC F_LCHR::BLKB 12 01CCC F_LCHR::BLKB 12 01CCC F_LSKP::BLKB 12 01CCC F_LSKP::BLKB 12 01CCC F_LSKP::BLKB 12	150. 0	
	0000000	0000096	0000000	0000000	SLKB 12	150. 0	

GLBDAT V04-000	Define global literals an Global storage	d data structures		84 00:41:32 84 13:06:35	VAX-11 Bliss-32 V4.0-74 [RUNOFF.SRC]GLBDAT.BLI;	2 Page 14 1 (4)
			03764 TT010B: 03858 TS110B: 0394C FFNAME: 03954 SEMCOD: 03958 VRCNT:: 0395C VRNAME: 03AAC VRLNG:: 03B00 VRBOOL: 03B54 VRFFLG: 03B6 VRTFLG: 03B6 VRSRC::	: BLKB 244 : BLKB 8 : BLKB 4 . BLKB 4 . BLKB 336 . BLKB 84 : BLKB 84 : BLKB 84 : BLKB 84		
			03BFC VRSRC:: 03C50 LFFCTX: 03C54 IPFTYP:	.BLKB 84 :.BLKB 4 :.BLKB 4		
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	PS	ECT SUMMARY				
Name	Bytes		Attributes			
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File		Total Loaded	Percent	Pages Mapped	Processing Time	
_\$255\$DUA28:[_\$255\$DUA28:[SYSLIBJXPORT.L32;1 RUNOFF.SRCJDSRLIB.L32;1	590 85 1248 238	14	252 86	00:00.1 00:00.3	
B. 155./C.		DMMAND QUALIFIERS				
	O code + 15752 data bytes 00:11.7 00:26.2		/OBJ=OBJ\$:GLB	DAT MSRCS:GL	BDAT/UPDATE=(ENHS:GLBDAT)	

GNA VO4

F 7 16-Sep-1984 00:41:32 VAX-11 Bliss-32 V4.0-742 GLBDAT V04-000 Define global literals and data structures Global storage Page 15 : Lines/CPU Min: 3416 : Lexemes/CPU-Min: 44583 : Memory Used: 135 pages : Compilation Complete

GNA VO4 0342 AH-BT13A-SE

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